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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,294	12/01/2003	Toru Marumoto	9333/360	2919
74989 ALPINE/BHGI	7590 04/29/200 L	9	EXAMINER	
P.O. Box 10395	5		COLUCCI, MICHAEL C	
Chicago, IL 606			ART UNIT	PAPER NUMBER
			2626	
			MAIL DATE	DELIVERY MODE
			04/29/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/725,294	MARUMOTO ET AL.		
Examiner	Art Unit		
MICHAEL C. COLUCCI	2626		

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The MAILING DATE of this communication appe	ears on the cover sheet with the d	correspondence address
THE REPLY FILED <u>01 April 2009</u> FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR A	LLOWANCE.
1.  The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appelor Continued Examination (RCE) in compliance with 37 C periods:	replies: (1) an amendment, affidavi eal (with appeal fee) in compliance CFR 1.114. The reply must be filed	t, or other evidence, which places the with 37 CFR 41.31; or (3) a Request
a) The period for reply expiresmonths from the mailing	date of the final rejection.	
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire to Examiner Note: If box 1 is checked, check either box (a) or (b)	ater than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE	g date of the final rejection.
MONTHS OF THE FINAL REJECTION. See MPEP 706.07( Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of ext under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the s set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	on which the petition under 37 CFR 1.1 tension and the corresponding amount of shortened statutory period for reply origi than three months after the mailing dat	of the fee. The appropriate extension fee nally set in the final Office action; or (2) as
2. ☐ The Notice of Appeal was filed on A brief in comp	liance with 37 CFR 41.37 must be	filed within two months of the date of
filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed w AMENDMENTS	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the appeal. Since a
3. The proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection, the contract of the proposed amendment(s) filed after a final rejection of the proposed amendment filed after a filed afte	nsideration and/or search (see NO	
(c) They are not deemed to place the application in bet appeal; and/or	ter form for appeal by materially red	
(d) They present additional claims without canceling a NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected ciaims.
4. The amendments are not in compliance with 37 CFR 1.12	21. See attached Notice of Non-Co	mpliant Amendment (PTOL-324).
<ol> <li>Applicant's reply has overcome the following rejection(s):</li> </ol>	:	
6. Newly proposed or amended claim(s) would be all non-allowable claim(s).	·	
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is provided that the status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: Claim(s) withdrawn from consideration:		i be entered and an explanation of
AFFIDAVIT OR OTHER EVIDENCE		
<ol> <li>The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).</li> </ol>		
<ol> <li>The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary</li> </ol>	vercome <u>all</u> rejections under appea	al and/or appellant fails to provide a
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after er	ntry is below or attached.
The request for reconsideration has been considered bu See Continuation Sheet.	t does NOT place the application in	condition for allowance because:
<ul><li>12. ☐ Note the attached Information <i>Disclosure Statement</i>(s).</li><li>13. ☐ Other:</li></ul>	(PTO/SB/08) Paper No(s)	
/Vijay B. Chawan/	/Michael C Colucci/	
for Richemond Dorvil, SPE of Art Unit 2626	Examiner, Art Unit 2626	

Continuation of 13. Other: Re, prior art not teaching adjusting a signal that was not received at a microphone of the speech communication apparatus. Examiner construes this as merely a signal received into a device that is not from the use, such as the case when a user communicates in a well known cellular phone environment, where the user speaks into a microphone that receives the environment sounds (noise) as well as the speech of a user. Further, the speaker outputs the sounds of received speech. The operation is merely in accordance with the teachings of a cellular communication concept having a microphone for inputting a users voice and a speaker for hearing any received sound, which would be inherently not from the user (i.e. another user, caller, party, voice, etc.). This concept of communication is both well known and explicitly taught by Urbanski in the form of received mobile radio telephone speech.

Urbanski teaches that in specialized applications involving relatively high background noise environments, most noise suppression techniques exhibit significant performance limitations. One example of such an application is the vehicle speakerphone option to a cellular mobile radio telephone system, which provides hands-free operation for the automobile driver. The mobile hands-free microphone is typically located at a greater distance from the user, such as being mounted overhead on the visor. The more distant microphone delivers a much poorer signal-to-noise ratio to the land-end party due to road and wind noise conditions. Although the received speech at the land-end is usually intelligible, continuous exposure to such background noise levels often increases listener fatigue (Urbanski Col. 1 lines 42-56).

Though Urbanski teaches cellular communication, more specifically in relation to Figure 2 of the present invention, Soli teaches the concept of adjusting speech not received by the user operating the device. With the drawings appearing to be have substantial support for adjusting gain not received by the microphone of the user (i.e. the user's voice). The present invention clearly depicts a user having a speaker present for a user to hear speech Rx which has gain adjustment capability, wherein a user hears Rk from the speaker of the device. Thus, Soli teaches auditory prostheses, or hearing aids, a single microphone is used to receive both wanted and unwanted parts of the auditory signal and the total auditory signal is processed to de-emphasize the unwanted part, i.e., the noise, relative to the wanted part, i.e., the speech. For example, a good deal of unwanted noise usually exists in the low frequency bands of speech and can actually mask some of the desired high frequency parts of speech. (This is called the upward spread of masking.) By de-emphasizing the lower frequency parts of the signal, i.e., attenuating the frequencies between 50 and 500 Hertz, for example, the unwanted noise signal is decreased (along with some of the wanted speech signal) making the higher frequency parts of the speech discernible. The overall effect can be to increase the intelligibility of speech in the presence of noise. (Soli Col. 2 lines 1-15).

Further, Soli teaches a solution to the problem of punctate noises is obtained by incorporating automatic gain control (AGC) into the circuitry of the hearing aid. Such circuitry responds to a sudden, high intensity click, by automatically reducing the volume for the duration of the click. This reduces not only the intensity of the sound of the click, but also reduces the intensity of the sound of any intelligence occurring simultaneously with click. Little loss of intelligibility of speech occurs, however, because of the short duration of the gain reduction and the ability of the ear, in cooperation with the brain, to fill in the relatively short information gap depending on the attack and release times of the AGC circuitry (Soli Col. 1 lines 47-59). The received speech at the hearing device and gain control can easily be implemented into the device taught by Urbanski, wherein an additional microphone would allow for a cellular device.

The teachings of Todter also teach this concept of received input speech not from the user and gain adjustment (Todter Fig. 6).

Therefore, with the well known teachings of Urbanski's cellular communication concept and the adjustment of speech not from the user taught by Soli or Todter render the concept of adjusting gain not received by the microphone (intended for the user depicted in Figure 2 of the present invention)..

/Vijay B.Chawan/ Primary Examiner, AU 2626